

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086735.D
 Acq On : 6 May 2016 20:33
 Operator : UM/SJ
 Sample : H2802-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:27:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	172485	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	729864	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	327789	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	542996	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	435573	40.00	ng	-0.01
86) Perylene-d12	15.23	264	318259	40.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	567641	54.48	ng	0.00
7) Phenol-d6	6.37	99	452134	32.22	ng	-0.01
23) Nitrobenzene-d5	7.29	82	1164547	81.99	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	445001	138.78	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1781368	89.08	ng	-0.01
78) Terphenyl-d14	12.81	244	1344825	62.40	ng	0.00

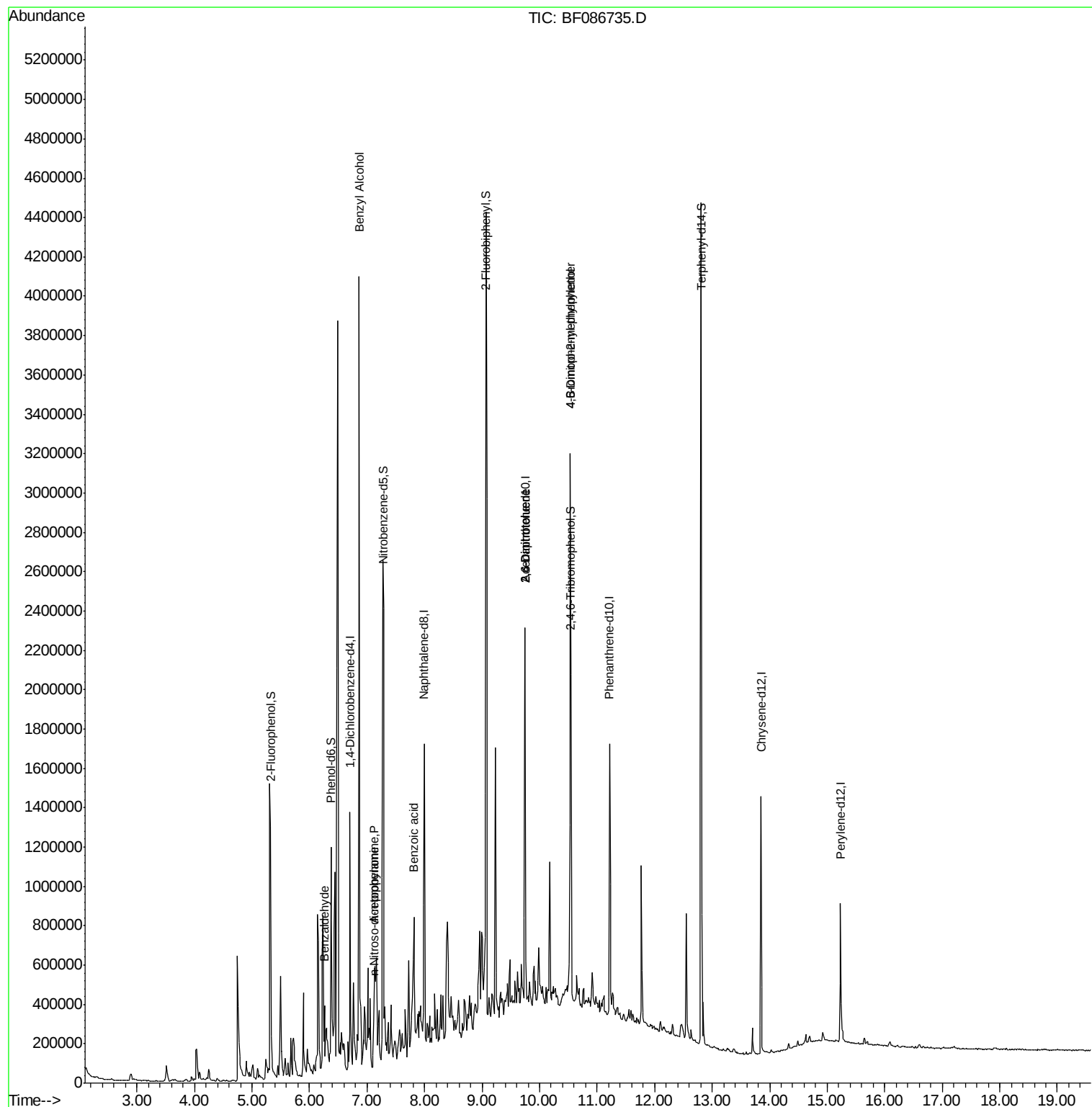
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.26	77	58835	8.40	ng	96
15) Benzyl Alcohol	6.86	79	35399	3.90	ng	# 42
19) n-Nitroso-di-n-propylamine	7.12	70	28348	2.96	ng	# 1
22) Acetophenone	7.13	105	70980	4.17	ng	# 92
32) Benzoic acid	7.81	122	56909	18.87	ng	# 73
50) 2,6-Dinitrotoluene	9.74	165	43972	8.39	ng	# 34
56) 2,4-Dinitrotoluene	9.74	165	43972	6.77	ng	# 28
64) 4,6-Dinitro-2-methylphenol	10.53	198	1014	5.63	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	24936	4.62	ng	# 1

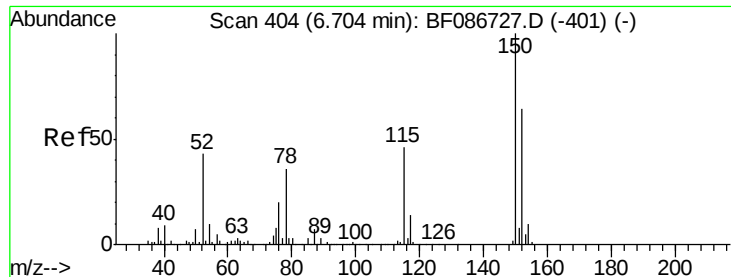
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

Instrument :

BNA_F

ClientSampleId :

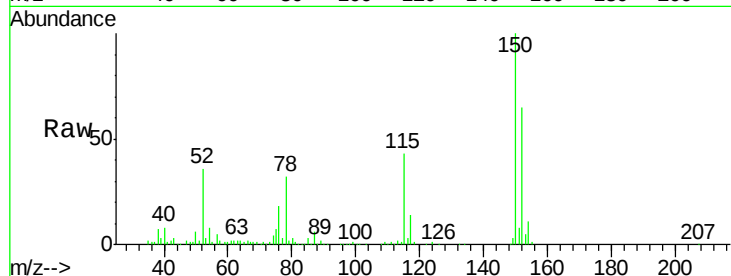
Tot Ion:152 Resp: 172485

Ion Ratio Lower Upper

152 100

150 155.0 125.8 188.6

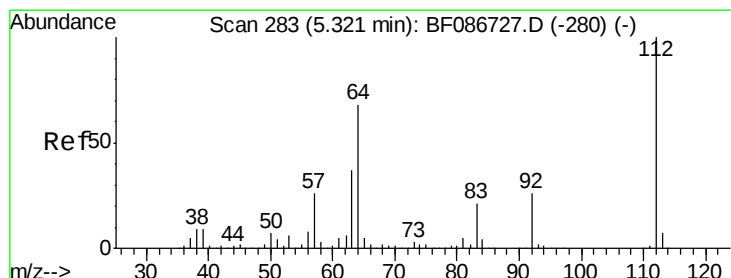
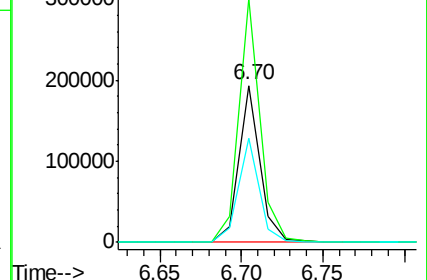
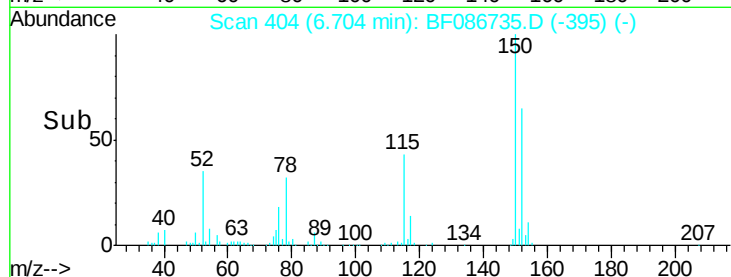
115 66.0 51.5 77.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 54.48 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

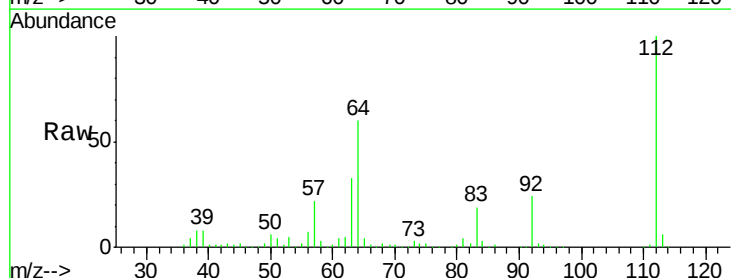
Tgt Ion:112 Resp: 567641

Ion Ratio Lower Upper

112 100

64 59.8 52.1 78.1

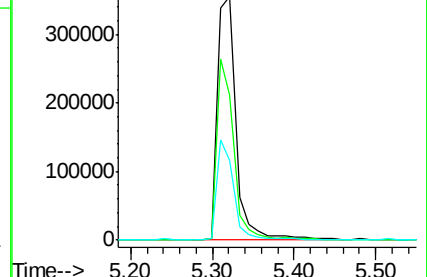
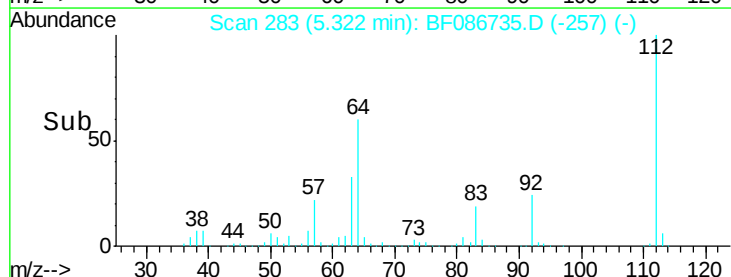
63 32.9 25.7 38.5

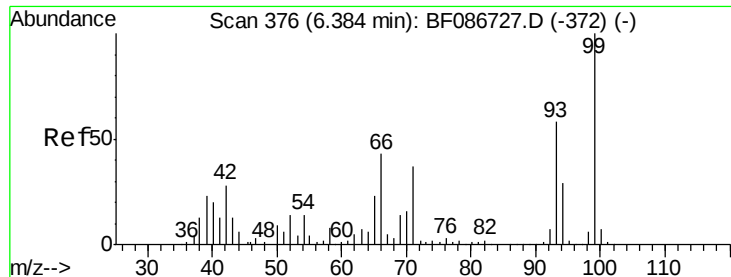


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.22 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

Instrument :

BNA_F

ClientSampleId :

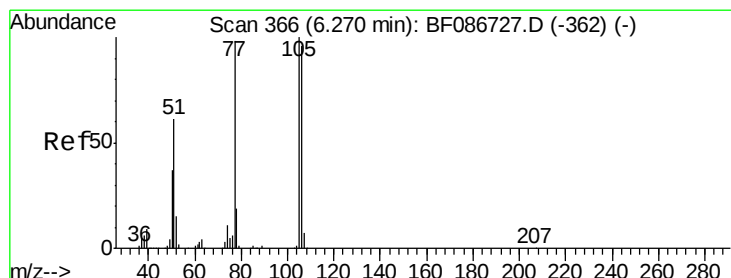
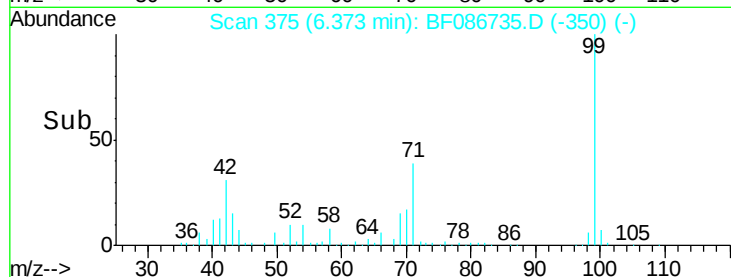
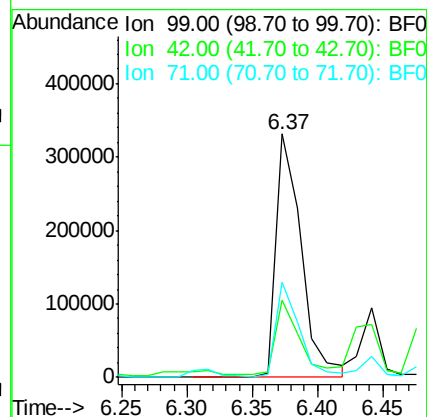
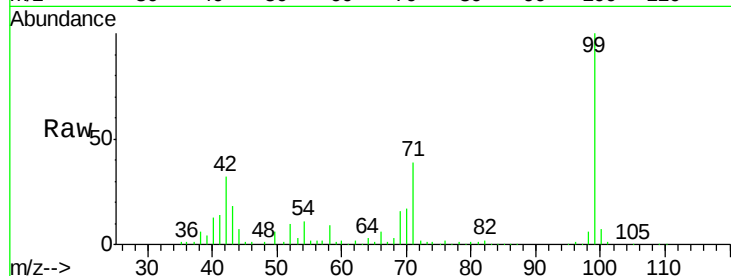
Tot Ion: 99 Resp: 452134

Ion Ratio Lower Upper

99 100

42 31.9 13.6 20.4#

71 38.9 24.6 36.8#



#9

Benzaldehyde

Concen: 8.40 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

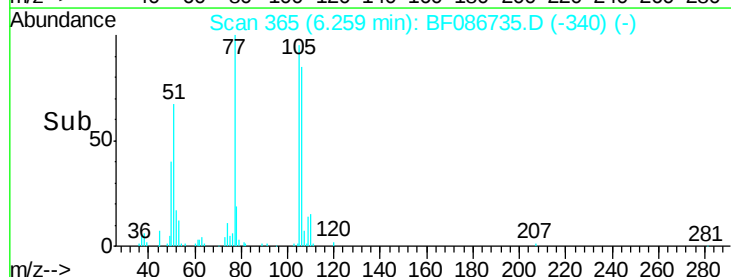
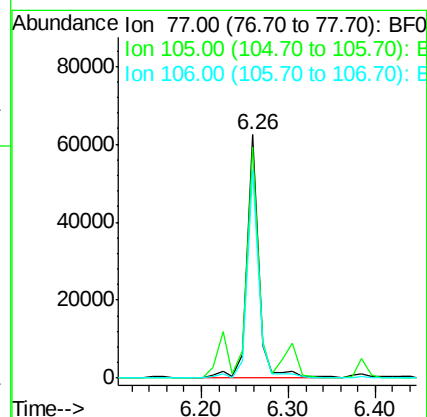
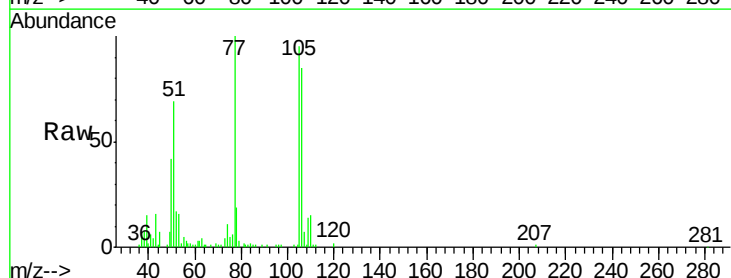
Tgt Ion: 77 Resp: 58835

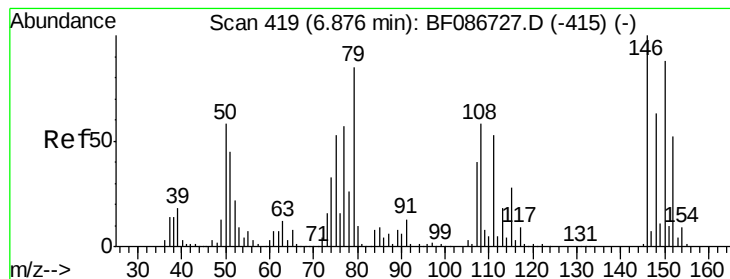
Ion Ratio Lower Upper

77 100

105 94.9 72.7 112.7

106 85.4 70.8 110.8





#15

Benzyl Alcohol

Concen: 3.90 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

Instrument :

BNA_F

ClientSampled :

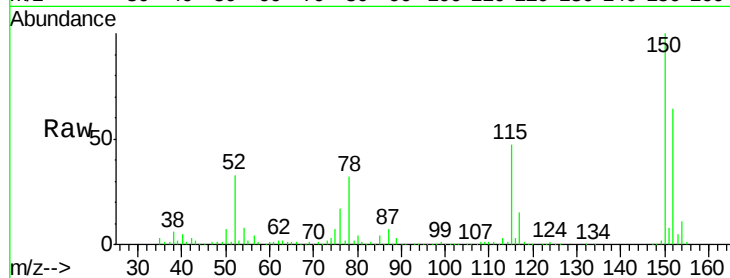
Tot Ion: 79 Resp: 35399

Ion Ratio Lower Upper

79 100

108 38.7 68.4 102.6#

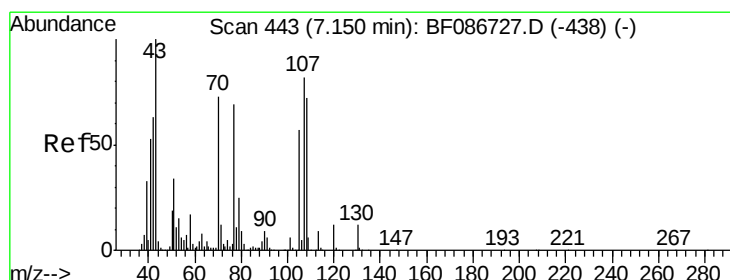
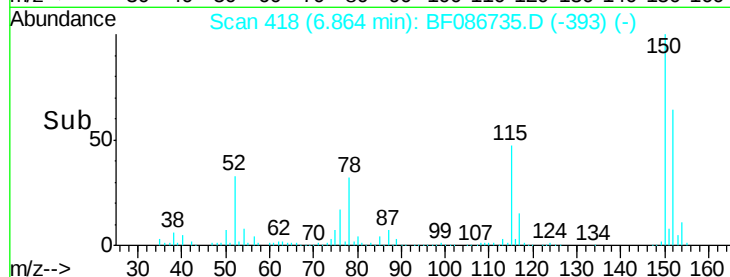
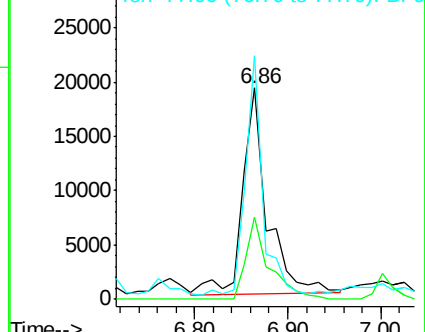
77 115.1 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.96 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.03 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

Tgt Ion: 70 Resp: 28348

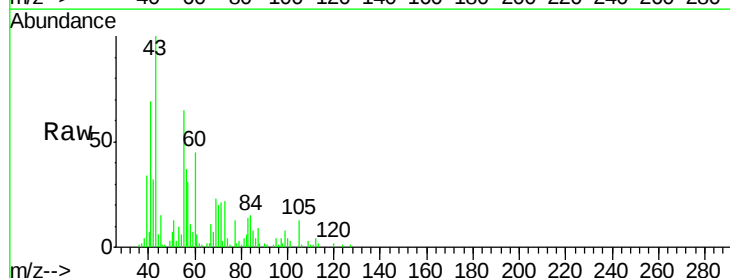
Ion Ratio Lower Upper

70 100

42 158.7 43.1 64.7#

101 16.4 8.1 12.1#

130 0.0 18.6 28.0#

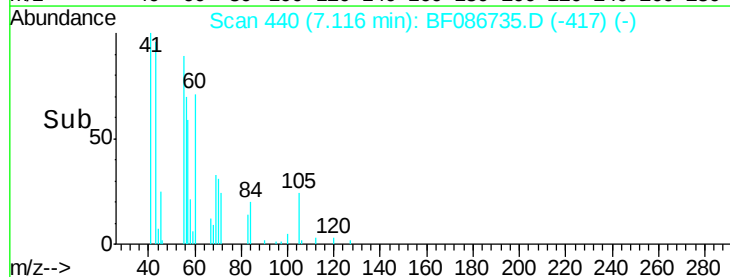
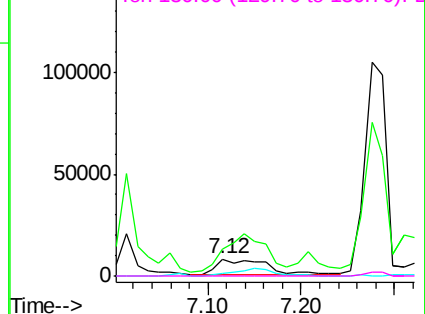


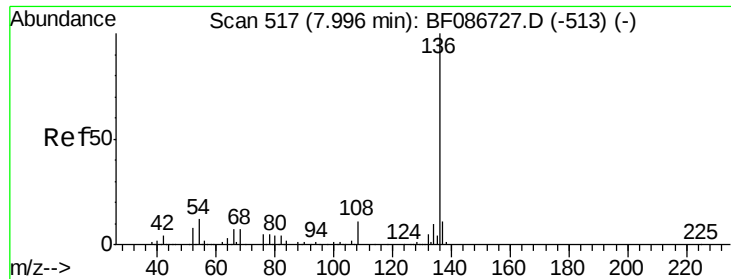
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

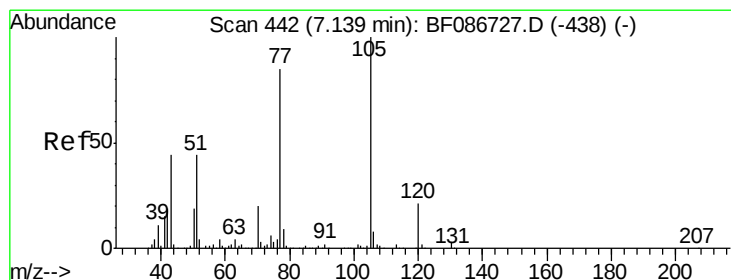
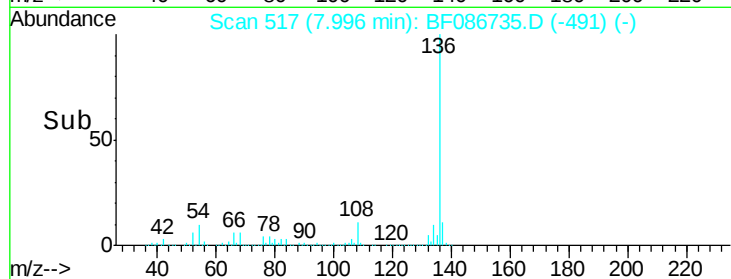
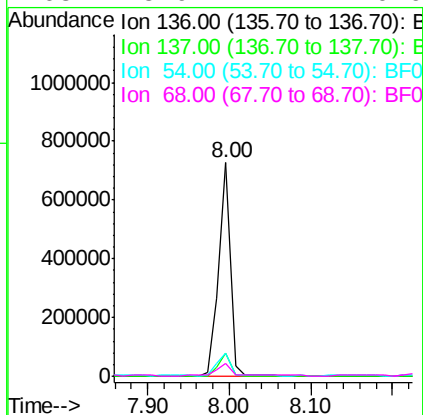
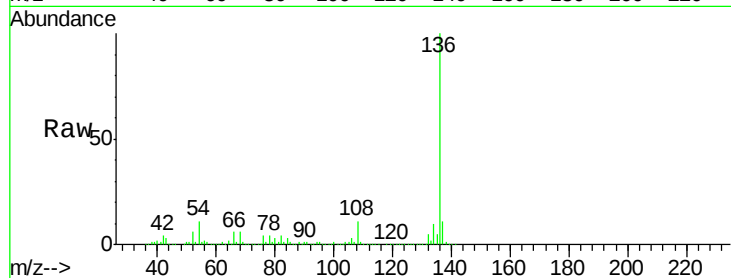




#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF086735.D
Acq: 6 May 2016 20:33

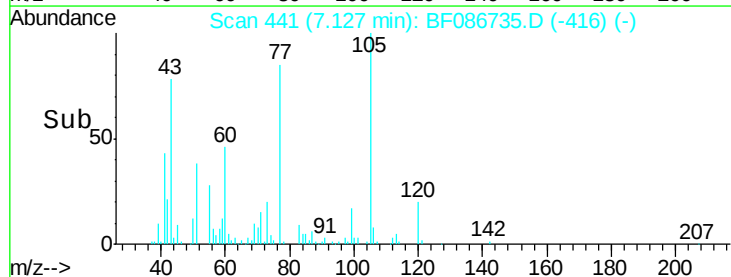
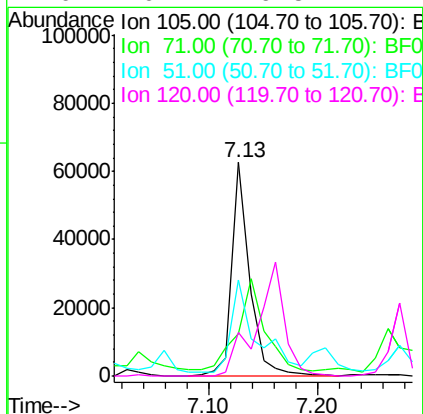
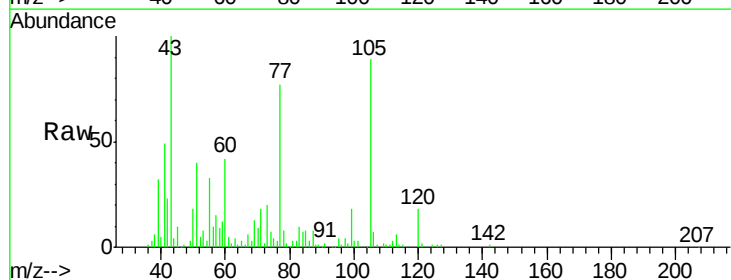
Instrument :
BNA_F
ClientSampleId :

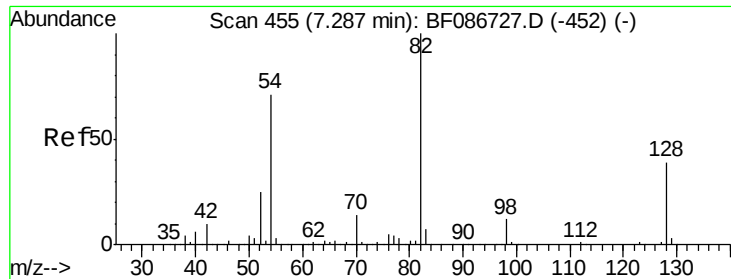
Tot Ion:136	Resp:	729864
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.8 13.2
54	10.5	5.0 7.4#
68	5.9	4.4 6.6



#22
Acetophenone
Concen: 4.17 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF086735.D
Acq: 6 May 2016 20:33

Tgt Ion:105	Resp:	70980
Ion	Ratio	Lower Upper
105	100	
71	19.8	4.8 7.2#
51	45.1	32.6 49.0
120	20.2	16.5 24.7

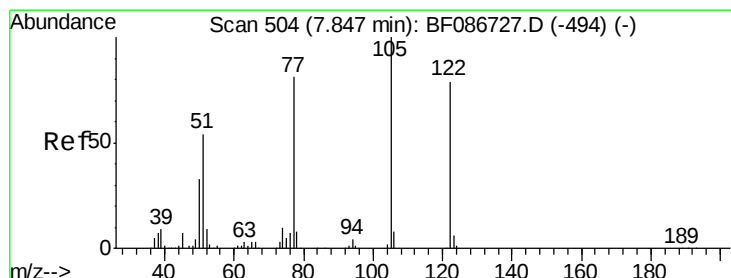
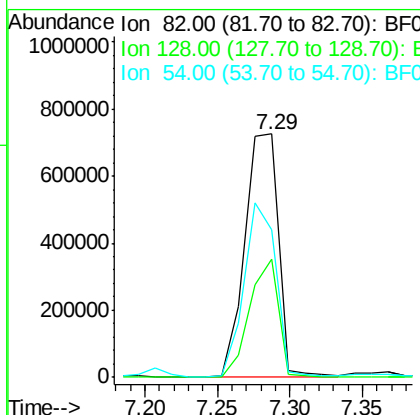
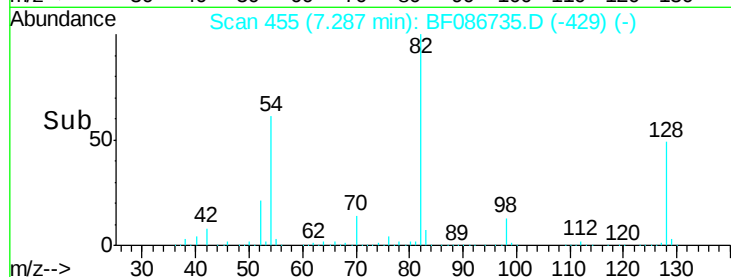
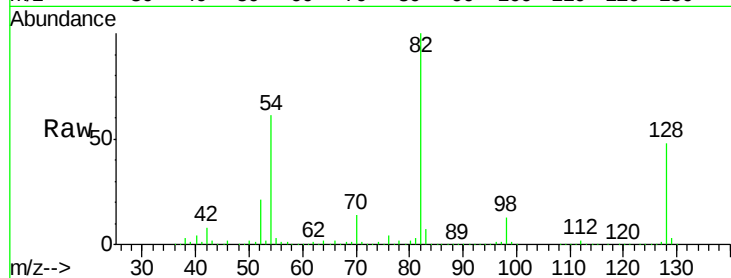




#23
 Nitrobenzene-d5
 Concen: 81.99 ng
 RT: 7.29 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: BF086735.D
 Acq: 6 May 2016 20:33

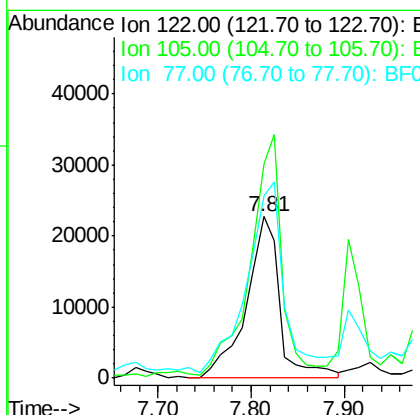
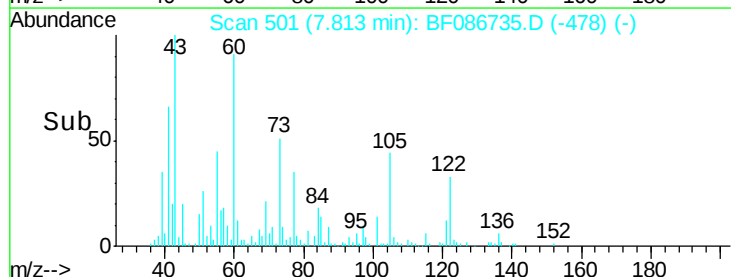
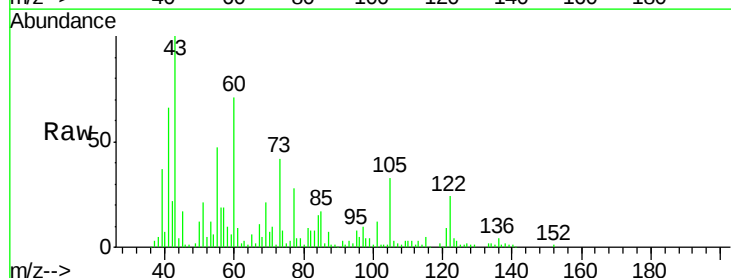
Instrument :
 BNA_F
 ClientSampleId :

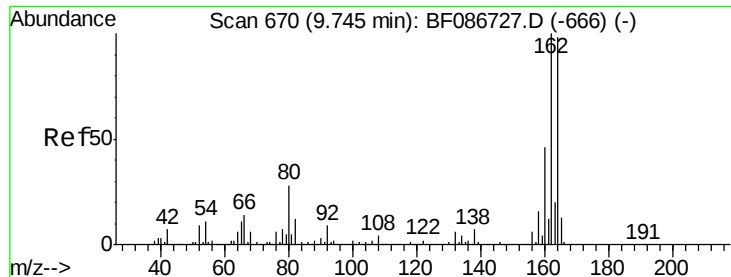
Tot Ion: 82 Resp: 1164547
 Ion Ratio Lower Upper
 82 100
 128 48.4 40.6 61.0
 54 60.8 38.1 57.1#



#32
 Benzoic acid
 Concen: 18.87 ng
 RT: 7.81 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: BF086735.D
 Acq: 6 May 2016 20:33

Tgt Ion:122 Resp: 56909
 Ion Ratio Lower Upper
 122 100
 105 132.9 92.6 132.6#
 77 112.8 60.0 100.0#





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

Instrument :

BNA_F

ClientSampled :

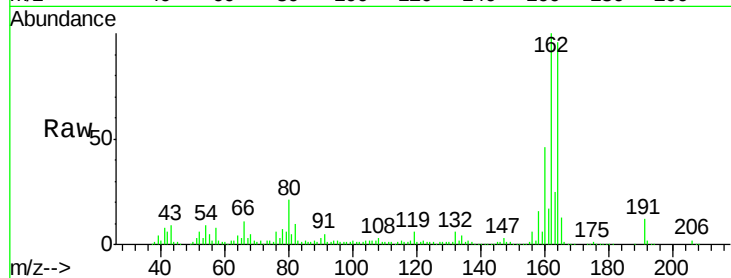
Tot Ion:164 Resp: 327789

Ion Ratio Lower Upper

164 100

162 103.7 82.8 124.2

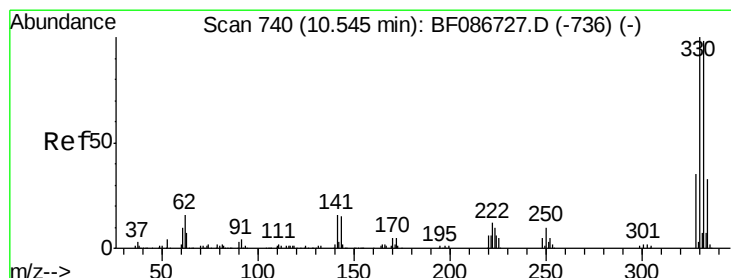
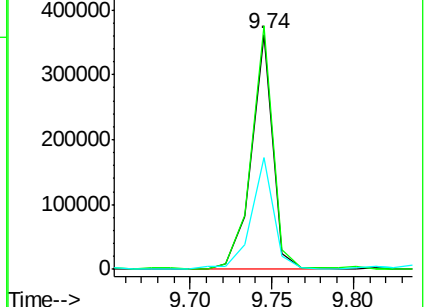
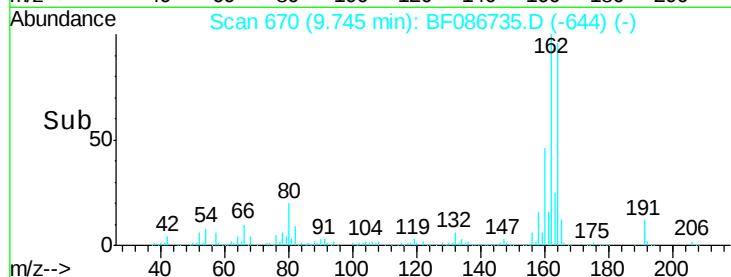
160 47.5 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 138.78 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

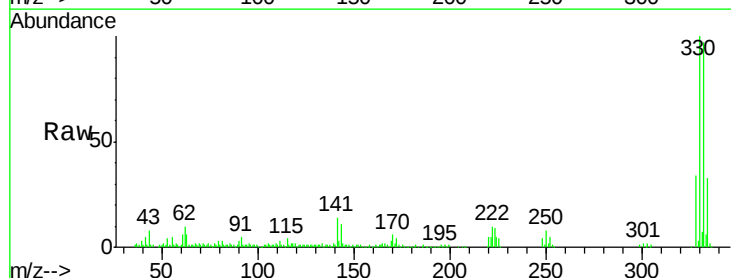
Tgt Ion:330 Resp: 445001

Ion Ratio Lower Upper

330 100

332 97.3 79.0 118.4

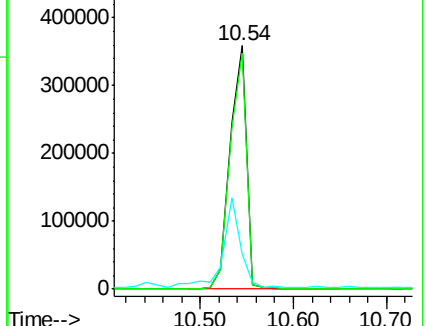
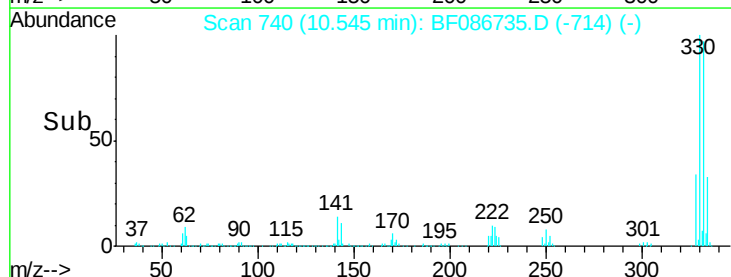
141 39.1 31.2 46.8

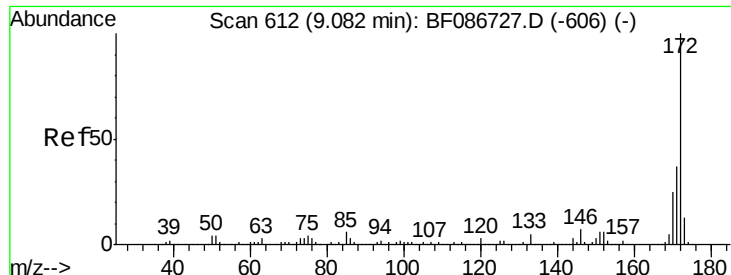


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



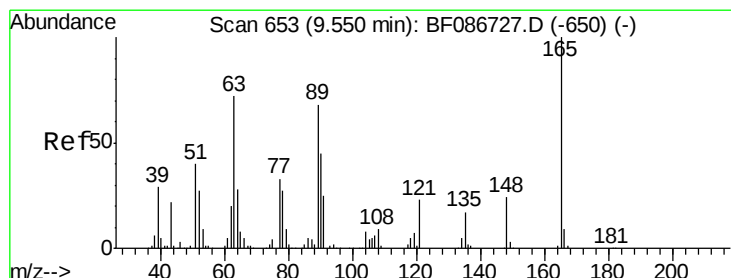
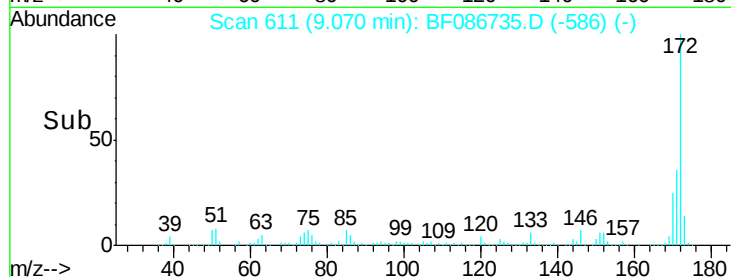
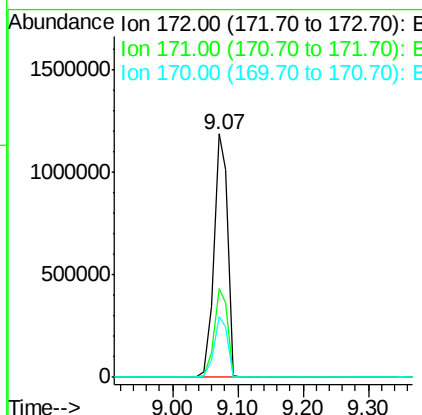
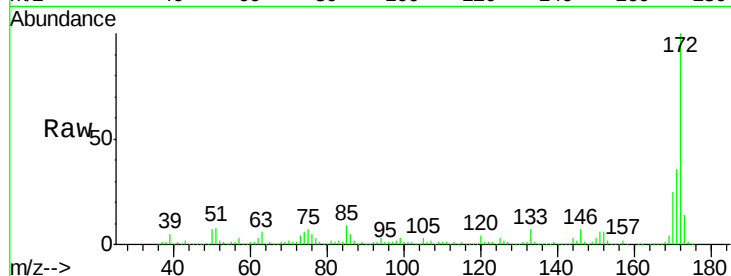


#44
 2-Fluorobiphenyl
 Concen: 89.08 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086735.D
 Acq: 6 May 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1781368

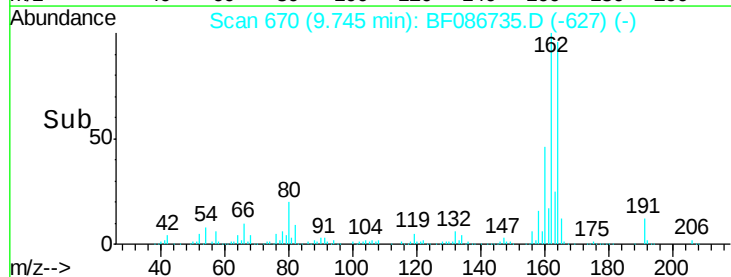
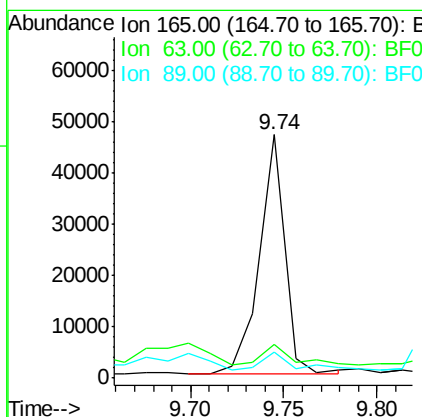
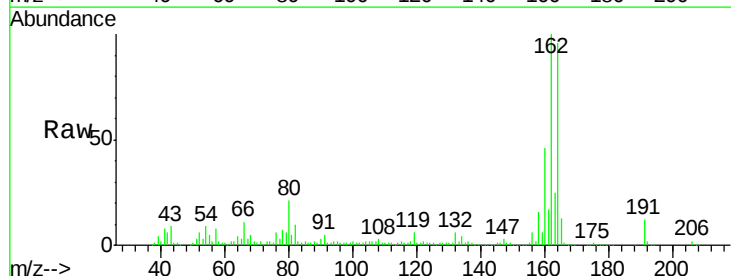
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.6	19.8	29.8

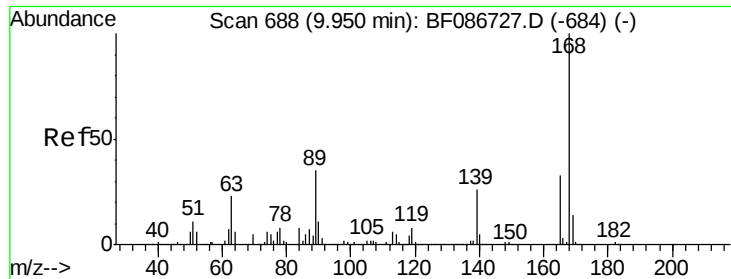


#50
 2,6-Dinitrotoluene
 Concen: 8.39 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.19 min
 Lab File: BF086735.D
 Acq: 6 May 2016 20:33

Tgt Ion:165 Resp: 43972

Ion	Ratio	Lower	Upper
165	100		
63	13.7	51.8	77.8#
89	10.9	50.7	76.1#

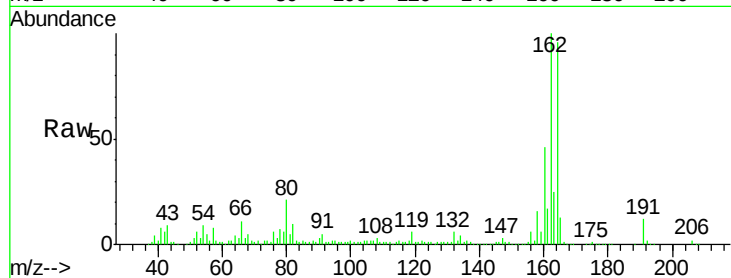




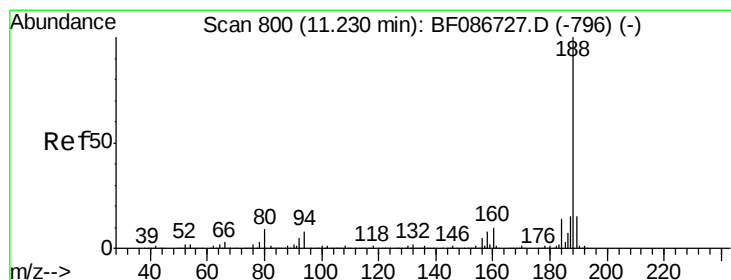
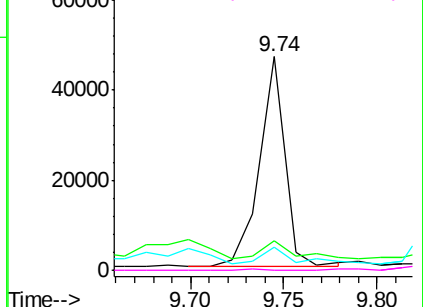
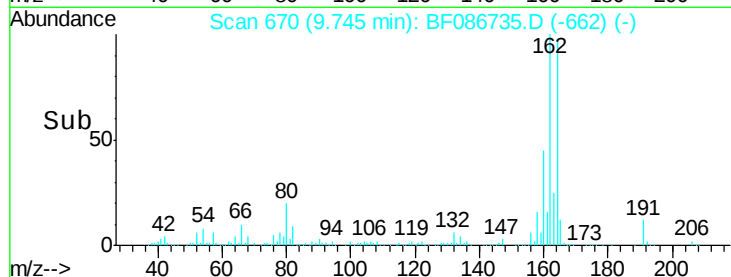
#56
 2,4-Dinitrotoluene
 Concen: 6.77 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.21 min
 Lab File: BF086735.D
 Acq: 6 May 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 43972
 Ion Ratio Lower Upper
 165 100
 63 13.7 44.3 66.5#
 89 10.9 70.0 105.0#
 182 0.0 1.8 2.6#

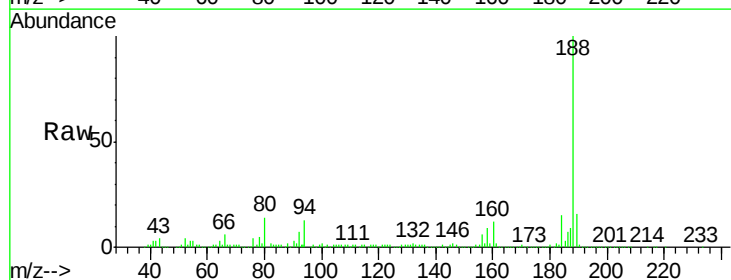


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

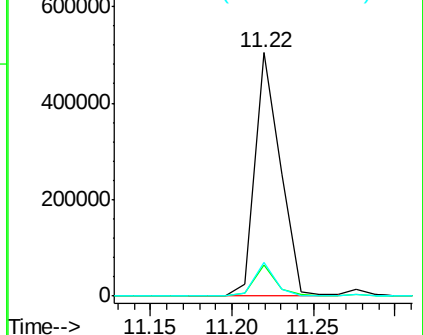
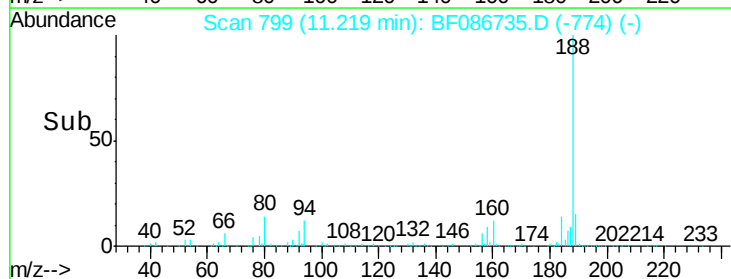


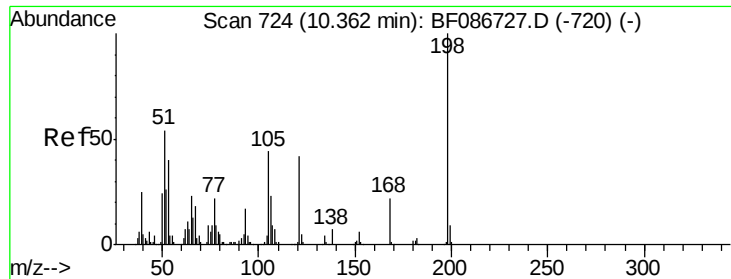
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF086735.D
 Acq: 6 May 2016 20:33

Tgt Ion:188 Resp: 542996
 Ion Ratio Lower Upper
 188 100
 94 12.8 6.8 10.2#
 80 13.8 7.1 10.7#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.63 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.17 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

Instrument :

BNA_F

ClientSampleId :

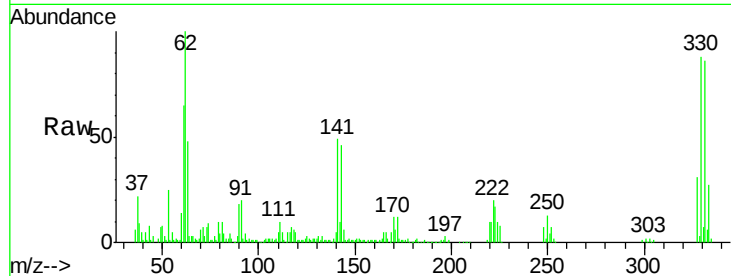
Tot Ion:198 Resp: 1014

Ion Ratio Lower Upper

198 100

51 824.5 20.5 60.5#

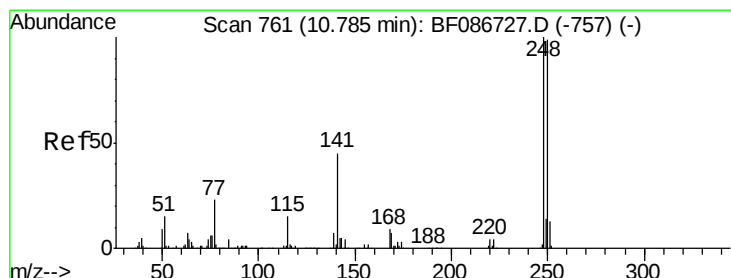
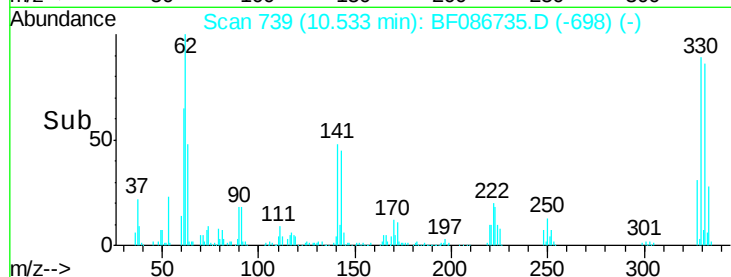
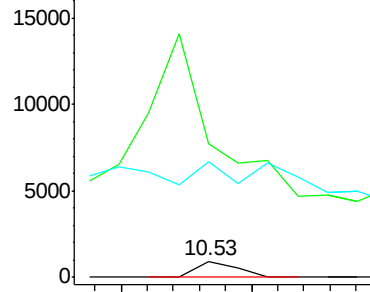
105 707.1 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.62 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.25 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

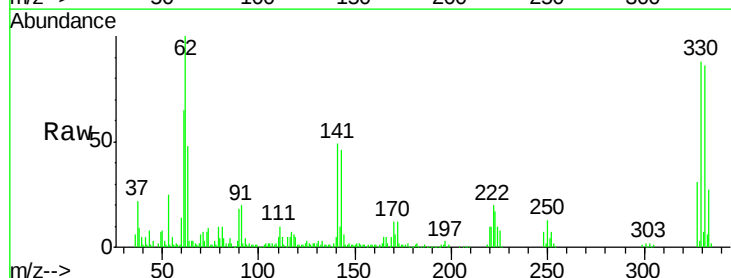
Tgt Ion:248 Resp: 24936

Ion Ratio Lower Upper

248 100

250 194.7 78.6 117.8#

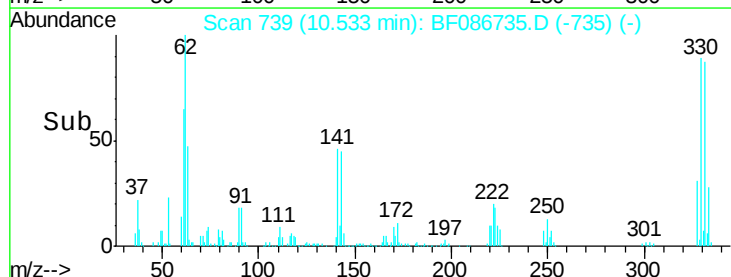
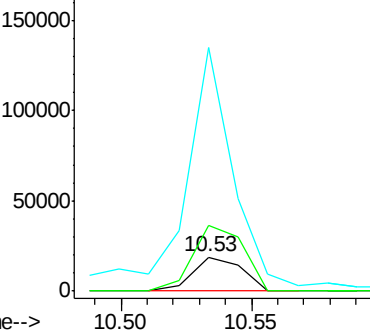
141 717.5 76.0 114.0#

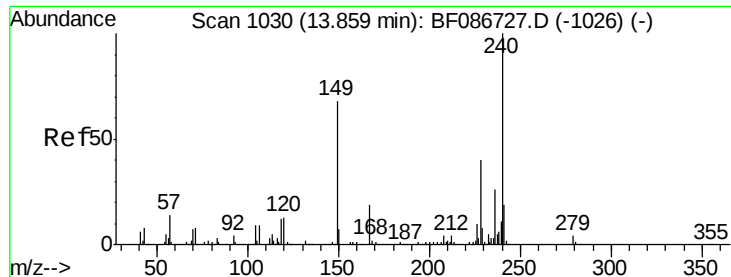


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

Instrument :

BNA_F

ClientSampled :

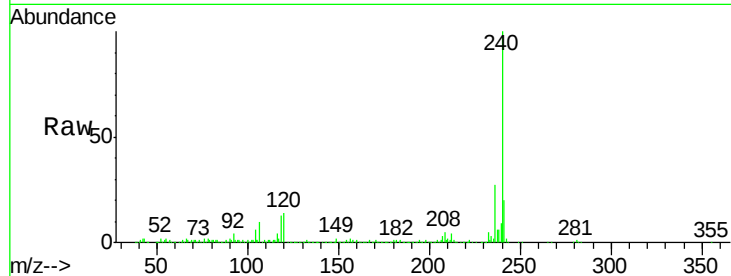
Tot Ion:240 Resp: 435573

Ion Ratio Lower Upper

240 100

120 13.9 11.2 16.8

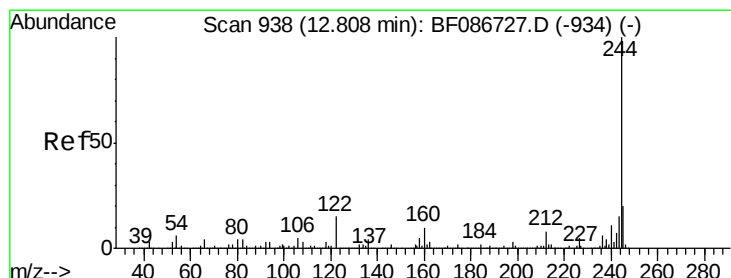
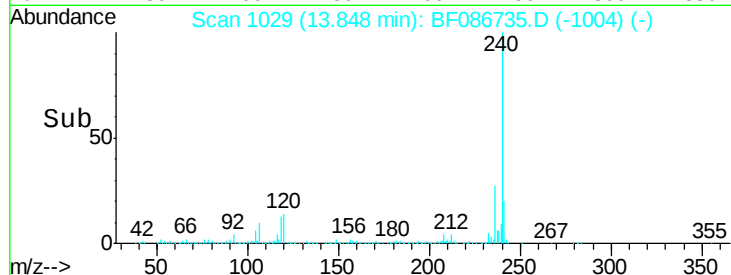
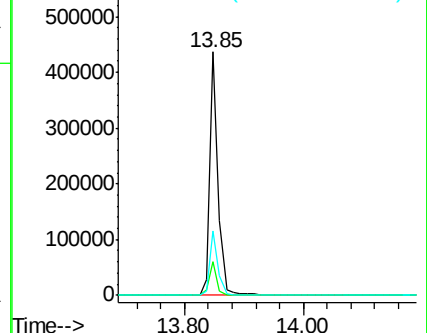
236 26.6 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 62.40 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086735.D

Acq: 6 May 2016 20:33

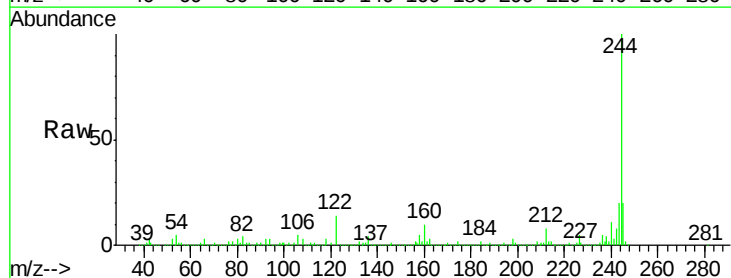
Tgt Ion:244 Resp: 1344825

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

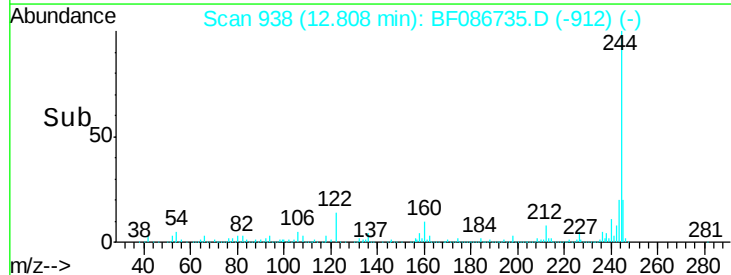
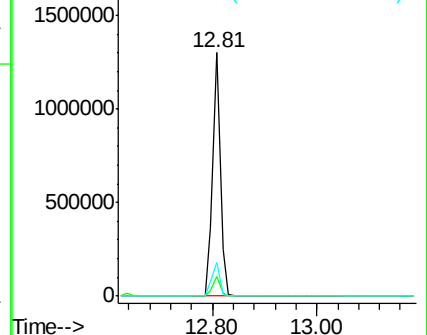
122 13.7 12.0 18.0

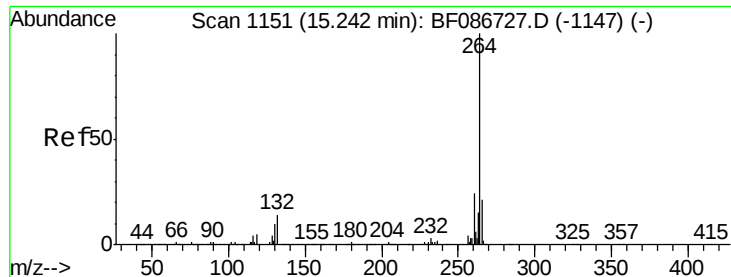


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

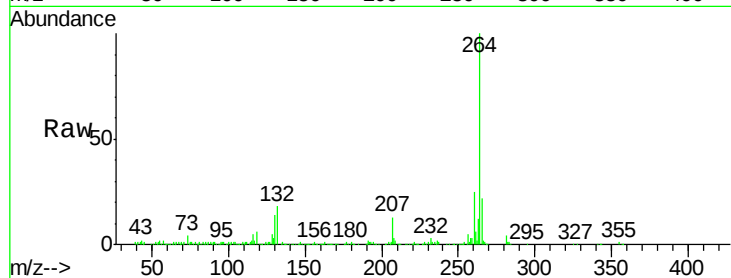




#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF086735.D
Acq: 6 May 2016 20:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.9	17.3	25.9



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

